1030-58-114 **Zhiqin Lu*** (zlu@math.uci.edu), Department of Mathematics, UC Irvine, Irvine, CA 92697. Chern-Weil forms on CY moduli.

We prove that, to the full generosity, that the integration of the Chern-Weil forms (with respect to the Weil-Petersson metric) over CY moduli are rational numbers. The result is joint with Michael Douglas. (Received July 25, 2007)